Appl. No. 10/687,219
Amdt. dated July 6, 2009
Reply to Office Action of June 9, 2009

PATENT

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Currently amended) A method for messaging with devices in order to determine one or more actions to perform, the method comprising:

storing action information at a computer system that acts as an intermediary for devices that need to access a set of applications to perform the one or more actions, the action information providing an action identifier identifying each action in the one or more actions and a mapping between the action identifier and information specifying how the computer system interacts with the set of applications to perform the action corresponding to the action identifier;

storing state information at the computer system that is unique to a message to be sent to a device, the state information providing a message identifier generated by the computer system to uniquely identify the message and a mapping associating at least a portion of the action information one or more actions with [[a]] the message identifier generated by the computer system[[,]] the stored information comprising action information corresponding to the one or more actions that enables applications to perform the one or more actions;

sending [[a]] the message to a device using the computer system, the message including [[a]] the message identifier generated by the computer system to uniquely identify the message and one or more action identifiers corresponding to the one or more actions represented in the message;

receiving a response message from the device at the computer system, the response message including the message identifier of the message that was sent to the device and at least one of the one or more action identifiers for the actions represented in the message send to the device;

determining the message identifier from the received message;

23        ~~determining an action identifier in the one or more action identifiers from the~~

24 ~~received message;~~

25        retrieving the stored state information that is unique to the message sent to the

26 device using the computer system to obtain the mapping associating at least a portion of the

27 action information with the message identifier based on the message identifier received in the

28 response message from the device;

29        ~~determining~~ retrieving stored action information corresponding to an action in the

30 one or more actions using the computer system from the portion of the stored action information

31 associated with the message identifier ~~corresponding to an action in the one or more actions~~

32 using the at least one of the one or more action identifiers for the actions represented in the

33 message sent to the device; and

34        performing the action using the action information.

1        2.     (Original) The method of claim 1, wherein the action information

2 comprises information compatible with a web-based application, wherein the web-based

3 application is used to perform the action.

1        3.     (Original) The method of claim 1, wherein the sent message comprises a

2 text-based message and the response message comprises a text-based message.

1        4.     (Original) The method of claim 1, further comprising sending a result of

2 the performed action to the device.

1        5.     (Previously presented) The method of claim 1, further comprising:

2        determining information indicative of the device based on the response message;

3 and

4        wherein retrieving the stored information associated the message comprises

5 determining the stored information in response to the message identifier and the information

6 indicative of the device.

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1        6.    (Previously presented)  The method of claim 5, wherein the information

2  indicative of the device comprises at least information specific to the device and information

3  specific to a user associated with the device.

1        7.    (Previously presented)  The method of claim 1, wherein sending the

2  message to the device comprises sending the message to a mobile device.

1        8.    (Currently amended)  A method <u>performed by a computer system</u> for

2  messaging with devices in order to determine one or more actions to perform, the method

3  comprising:

4        generating <u>first</u> information <u>with the computer system</u> identifying one or more

5  actions performed by applications <u>accessible to the computer system</u>;

6        storing <u>second</u> information <u>using the computer system</u> that enables the <u>identified</u>

7  one or more actions to be performed by the applications <u>in a set of storage devices associated</u>

8  <u>with the computer system</u>;

9        <s>generating</s> <u>receiving</u> a message identifier <u>at the computer system</u> that uniquely

10  identifies a message to be <u>sent</u> <s>send</s> to a device;

11        generating a mapping <u>with the computer system</u> between the message identifier

12  and the <u>information identifying the</u> one or more actions <u>performed by applications accessible to</u>

13  <u>the computer system</u>;

14        sending the message to the device <u>using the computer system</u>, the message

15  including the message identifier <u>of the message</u> and the information <u>generated by the computer</u>

16  <u>system</u> identifying the one or more actions <u>performed by applications accessible to the computer</u>

17  <u>system</u>;

18        receiving a text message from the device <u>using the computer system</u>, the text

19  message including the message identifier <u>of the message that was sent to the device</u> and

20  information identifying a desired action in the one or more actions <u>performed by applications</u>

21  <u>accessible to the computer system</u>;

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22              retrieving stored <u>second</u> information <u>from the set of storage devices using the</u>

23  <u>computer system</u> that enables the desired action to be performed by an application based on the

24  <u>mapping between the</u> message identifier and the information identifying the desired action in the

25  one or more actions; and

26              causing the ~~determined~~ <u>desired</u> action to be performed <u>by the application</u> using

27  the <u>computer system in response to the</u> stored <u>second</u> information <u>retrieved from the set of</u>

28  <u>storage devices</u> ~~that enables the desired action to be performed by an application~~.

1          9.    (Currently amended)  The method of claim 8, wherein the <u>second</u>

2  information that enables the <u>identified</u> one or more actions to be performed comprises <u>state</u>

3  <u>information for a</u> web-based <u>application</u> ~~information~~.

1         10.    (Currently amended)  The method of claim 9, wherein the <u>state</u>

2  <u>information for the</u> web-based <u>application</u> ~~information~~ comprises a URL.

1         11.    (Original)  The method of claim 8, wherein the sent message comprises a

2  plain-text message.

1         12.    (Original)  The method of claim 8, wherein the text message comprises a

2  plain-text message.

1         13.    (Currently amended)  The method of claim 8, further comprising:

2              determining information indicative of the device and a user associated with the

3  device; and

4              wherein ~~determining~~ <u>retrieving the portion of</u> the stored information comprises

5  determining the stored information in response to the information indicative of the device and the

6  user associated the device.

1         14.    (Original)  The method of claim 8, further comprising sending a result of

2  the performed action to the device.

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1    15.    (Currently amended)  An actionable messaging device for generating and

2  processing messages to determine actions to perform, the actionable messaging device

3  comprising:

4            a processor; and

5            a memory coupled to the processor and configured to store processor-executable

6  code including:

7            a message generator configured to generate [[a]] messages identifying one

8  or more actions and to send the generated message to a device, each of the messages including a

9  message identifier generated by the processor to uniquely identify the message and one or more

10  action identifiers generated by the processor for actions represented in the message;

11            an information storer configured to store:

12                    action information providing action identifiers identifying one or

13  more actions and mappings between the action identifiers and information specifying how the

14  processor interacts with the set of applications to perform an action corresponding to a particular

15  action identifier, and

16                    state information that is unique to a message to be sent to a device,

17  the state information the message identifier for the message and a mapping associating a least a

18  portion of the identified action information one or more actions with [[a]] the message

19  identifier[[,]] the stored information comprising action information that enables the identified

20  one or more actions to be performed by applications;

21            a receiver configured to receive a response message from [[the]] a device

22  to which a message was sent, wherein the response message is indicative of the includes a

23  message identifier of [[a]] the message sent to the device and at least one of a set of action

24  identifiers an action in the one or more actions identified in the message sent to the device;

25            an action determiner configured to retrieve stored state information that is

26  unique to a message send to the device to obtain the mapping associating at least a portion of the

27  action information with the message identifier using the message identifier received in the

28  response message from the device and to retrieve action information from at least a portion of the

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29    stored <u>action</u> information for ~~the identified~~ an action <u>in the one or more actions</u> in response to the

30    ~~message~~ <u>at least one of the set of action</u> identifiers received in the response message; and

31               an action performer configured to cause the action to be performed using

32    the ~~determined at least a portion of the stored~~ <u>action</u> information.

1           16.    (Original)  The device of claim 15, wherein the generated message

2    comprises a text message.

1           17.    (Original)  The device of claim 15, wherein the response message

2    comprises a text message.

1           18.    (Original)  The device of claim 15, wherein the one or more actions

2    comprise web-based actions.

1           19.    (Currently amended)  The device of claim 15, wherein the action

2    determiner determines the stored <u>second</u> information using at least the message identifier for the

3    message ~~send~~ <u>sent</u> to the device and information specific to the response message.

1           20.    (Currently amended)  The device of claim [[15]] <u>19</u>, wherein the

2    information specific to the response message comprises information specific to a user.

1           21.    (Currently amended)  A system configured to perform actionable

2    messaging, the system comprising:

3               one or more devices;

4               an application configured to perform actions; and

5               an actionable message device configured to communication with the one or more

6    devices and the application, the <u>actionable messaging</u> device comprising:

7               <u>a processor; and</u>

8               <u>a memory coupled to the processor and configured to store processor</u>

9    <u>executable code including:</u>

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10    a message generator configured to generate [[a]] messages

11   identifying one or more actions ~~and to send the generated message to a device~~, each of the

12   messages including a message identifier generated by the processor to uniquely identify the

13   message and one or more action identifiers for actions represented in the message;

14    an information storer configured to store:

15    action information providing action identifiers identifying

16   one or more actions and mappings between the action identifiers and information specifying how

17   the processor interacts with the set of applications to perform an action corresponding to a

18   particular action identifier, and

19    state information that is unique to a message to be sent to a

20   device, the state information the message identifier for the message and a mapping associating a

21   least a portion of the ~~identified~~ action information ~~one or more actions~~ with [[a]] the message

22   identifier[[,]] ~~the stored information comprising action information that enables the identified~~

23   ~~one or more actions to be performed by applications~~;

24    a receiver configured to receive a response message from [[the]] a

25   device to which a message was sent, wherein the response message ~~is indicative of the~~ includes a

26   message identifier of [[a]] the message sent to the device and at least one of a set of action

27   identifiers ~~an action in the one or more actions identified~~ in the message sent to the device;

28    an action determiner configured to retrieve stored state information

29   that is unique to a message send to the device to obtain the mapping associating at least a portion

30   of the action information with the message identifier using the message identifier received in the

31   response message from the device and to retrieve action information from at least a portion of the

32   stored action information for ~~the identified~~ an action in the one or more actions in response to the

33   ~~message~~ at least one of the set of action identifiers received in the response message; and

34    an action performer configured to cause the application to perform

35   the ~~identified~~ action using ~~the determined at least a portion of the stored~~ action information.

1    22.  (Original) The system of claim 21, wherein the one or more devices

2   comprise mobile devices.

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1        23.    (Original)  The system of claim 22, wherein the mobile devices are
2  configured to receive messages exclusive of web-based messages.

1        24.    (Original)  The system of claim 22, wherein the mobile devices are
2  configured to send messages exclusive of web-based messages.

1        25.    (Original)  The system of claim 21, wherein the application comprises a
2  web-based application.